

Remarks

Claims 5-13 remain in the application for consideration of the Examiner with claims 1-4 standing canceled and claims 5-7 standing withdrawn from consideration.

Reconsideration and withdrawal of the outstanding rejections are respectfully requested in light of the above amendments and following remarks.

Claim 2 was objected to because of informalities.

The cancellation of claim 2 obviates the objection of claim 2.

Claim 3 was objected to under 37 CFR 1.75 has being of improper dependent form.

The cancellation of claim 3 obviates the rejection of claim 3.

Claims 1-4 were rejected under 35 USC section 112 second paragraph.

By the instant amendment, claims 1-4 have been canceled, and claims 8-13 have been submitted.

It is respectfully submitted that claims 8-13 are in full compliance with 35 USC section 112.

Claims 1-4 were rejected under 35 USC § 102 as being anticipated by Mitchell;

These rejections are respectively traversed.

It is respectfully submitted that Mitchell does not disclose or suggest the presently claimed invention including the cylindrical thermoelectric generator is formed of a single type of thermoelectric material and operates in a Peltier mode and in a Seebeck mode as defined in independent claim 8 and the first cylinder electrode of the first type and the second cylinder electrode of the second type sequentially alternating and only adjacent electrodes being connected together as defined in independent claim 11.

Mitchell discloses an isostatic hot compressing process step is employed to exert a pressure of from 5,000 p.s.i. to 50,000 p.s.i. on the exterior surfaces only of a hollow cylindrical thermoelectric element having thermoelectric material disposed between exterior and interior cylindrical shell members to plastically deform the exterior surfaces of the element and reducing the annular cross-sectional area of the element from 1 percent to 15 percent to provide at least an intimate physical contact between the body of thermoelectric material contained therein and the inner and outer members of the element. The inner member of the element is in compression after the hot isostatic compression is removed. Isostatic cold compressing may be applied to the element prior to the isostatic hot compressing process step.

There is nothing in Mitchell to suggest that the single type of thermoelectric material.

Mitchell discloses that a plurality of compressed bodies of different powdered thermoelectric materials are assembled within the space.

There is nothing in Mitchell to suggest the only adjacent electrodes being connected.

Mitchell discloses that all the elements are serially connected.

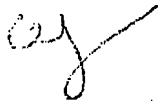
In light of the above amendment, it is respectfully submitted that Claims 5-13 are patently distinct.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully submitted.

While it is believed that the instant response places the application in condition for allowance, and should the Examiner have any further comments or suggestions, it is requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

If the Examiner should have any questions, Applicant's legal representative can be contacted at 214-893-8886.

Respectfully submitted;



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